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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Examiner: NYA

Jean Philippe Vasseur et al.

Group Art Unit No.: NYA

Serial No.: 10/719,003

Filed on: November 21, 2003

For: METHOD AND APPARATUS FOR DETERMINING NETWORK ROUTING  
INFORMATION BASED ON SHARED RISK LINK GROUP INFORMATION

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

Enclosed is a copy of Information Disclosure Citation Form PTO-1449 together with copies of the documents cited on that form, if needed. It is respectfully requested that the cited documents be considered and that the enclosed Information Disclosure Citation Form PTO-1449 be initialed by the Examiner to indicate such consideration and a copy thereof returned to applicant(s).

Pursuant to 37 C.F.R. § 1.97, the submission of this Information Disclosure Statement is not to be construed as a representation that a search has been made and is not to be construed as an admission that the information cited in this statement is material to patentability.

Pursuant to 37 C.F.R. § 1.97, this Information Disclosure Statement is being submitted under one of the following (as indicated by an "X" to the left of the appropriate paragraph):

  X   37 C.F.R. §1.97(b).

       37 C.F.R. §1.97(c). If so, then this Information Disclosure Statement includes one of the following:

       A statement pursuant to 37 C.F.R. §1.97(e)

\_\_\_\_\_ 1.97(e)(1) The undersigned hereby states that each item of information contained in this information disclosure statement was first cited in communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this information disclosure statement.

\_\_\_\_\_ 1.97(e)(2) The undersigned hereby states that no item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in this information disclosure statement was known to any individual designated in §1.56(c) more than three months prior to the filing of this information disclosure statement.

\_\_\_\_\_ A check for \$180.00 for the fee under 37 C.F.R. § 1.17(p).

\_\_\_\_\_ 37 C.F.R. §1.97(d). If so, then this Information Disclosure Statement includes the following:

\_\_\_\_\_ A statement pursuant to 37 C.F.R. §1.97(e)

\_\_\_\_\_ 1.97(e)(1) The undersigned hereby states that each item of information contained in this information disclosure statement was first cited in communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this information disclosure statement; OR

\_\_\_\_\_ 1.97(e)(2) The undersigned hereby states that no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in §1.56(c) more than three months prior to the filing of this information disclosure statement.

AND

\_\_\_\_\_ A check for \$180.00 for the fee under 37 C.F.R. §1.17(i) for submission of the Information Disclosure Statement.

\_\_\_\_\_ 37 C.F.R. §1.97(i). Wherein applicants are submitting references before the grant of a patent to be placed in the file but not considered by the Patent office.

- (1) Accordingly, copies of the references as listed on the attached Form PTO 1449 are submitted herewith for placement in the file. No certification or fees are deemed necessary.

The Examiner's attention is directed to the following related application(s) for the following reasons (as indicated by an "X" to the left of the appropriate paragraph):

\_\_\_\_\_ The Examiner is hereby notified that the following related application has been filed:

U.S. Application Serial No. \_\_\_\_\_, filed on \_\_\_\_\_.

This related application contains one or more claims that may be substantially similar to one or more claims in the present application. Therefore, the Examiner is encouraged to reference the file history of the related application as some of the information contained therein may be material to the examination of the present application.

  X   The Examiner is hereby notified that the present application is related to the following related application(s):

U.S. Application Serial No. 10/323,358, filed on December 17, 2002

U.S. Application Serial No. 10/725,831, filed on January 1, 2003.

U.S. Application Serial No. 10/340,371, filed on January 9, 2003.

U.S. Application Serial No. 10/346,051, filed on January 15, 2003.

U.S. Application Serial No. 10/442,589, filed on May 20, 2003.

U.S. Application Serial No. 10/620,866, filed on July 15, 2003.

U.S. Application Serial No. 10/685,621, filed on October 30, 2003.

U.S. Application Serial No. 10/342,606, filed on January 14, 2003.

U.S. Application Serial No. 10/685,622, filed on October 14, 2003.

U.S. Application Serial No. 10/792,945, filed on March 3, 2004.

U.S. Application Serial No. 10/848,669, filed on May 18, 2004.

U.S. Application Entitled "Method and apparatus for forwarding data in a data communications", Attorney Docket No.50325-0895, filed on June 1, 2004

The related application(s) contain(s) one or more claims that may be substantially similar to one or more claims in the present application, those claims may have been rejected in the related application(s), and a different interpretation may have been applied to one or more of the references that are of record in the present application. Therefore, the Examiner is encouraged to review the file history(ies) of the related application(s) as some of the information contained therein may be material to the examination of the present application.

\_\_\_\_\_ The Examiner is hereby notified that for the following related application(s) an Office Action has been received as indicated below:

U.S. Application Serial No. \_\_\_\_\_, filed on \_\_\_\_\_ (Office Action mailing date \_\_\_\_\_).

The related application(s) contain(s) one or more claims that may be substantially similar to one or more claims in the present application, those claims may have been rejected in the related application(s), and a different interpretation may have been applied to one or more of the references that are of record in the present application. Therefore, the Examiner is encouraged to review the file history(ies) of the related application(s) as some of the information contained therein may be material to the examination of the present application.

Throughout the pendency of this application, please charge any additional fees, including any required extension of time fees, and credit all overpayments to deposit account 50-1302. A duplicate of this sheet is enclosed.

Respectfully submitted,

HICKMAN PALERMO TRUONG & BECKER LLP

Dated: July 19, 2004



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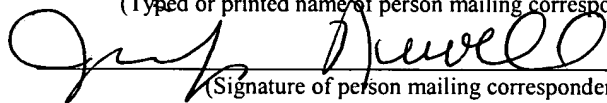
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I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage in an envelope addressed to Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on

July 19, 2004  
(Date of Deposit)

Jennifer Newell

(Typed or printed name of person mailing correspondence)



(Signature of person mailing correspondence)

# **INFORMATION DISCLOSURE CITATION IN AN APPLICATION (PTO-1449)**

ATTY. DOCKET NO.50325-0843

SERIAL  
NO.10/719,003

APPLICANT: Jean Philippe Vasseur

FILING DATE:  
November 21, 2003

GROUP:NYA

## **U.S. PATENT DOCUMENTS**

Exam. Initial*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (If known)			
		6,278,687	B1	Hunneyball	08-21-2001	
		6,377,542	B1	Asprey	04-23-2002	
		6,590,868	B2	Shen	07-08-2003	
		6,636,498	B1	Leung	10-21-2003	
		6,578,084	B1	Moberg et al.	06-10-2003	

## **FOREIGN PATENT DOCUMENTS**

Exam. Initial*	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD- YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (If known)				

Examiner  
Signature

Date Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Unique citation designation number. <sup>2</sup>See attached Kinds of U.S. Patent Documents. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard S.3). <sup>4</sup>For Japanese patent documents, the indication of the year of reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

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Substitute for Form 1449A/PTO (Modified) (use as many sheets as necessary)		Attorney Docket No.:50325-0843	Application Number:10/719,003
		First Named Inventor: Jean Philippe Vasseur	
		Filing Date: November 21, 2003	
<b>OTHER ART – NO PATENT LITERATURE DOCUMENTS</b>			
Examiner Initials*	Cite No <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	Translation <sup>2</sup>
		M. Watari, "Masafumi Watari's Web Site," "Papers" page, printed May 7, 2003, <a href="http://www.sfc.wide.ad.jp/~watari/papers.html">http://www.sfc.wide.ad.jp/~watari/papers.html</a> , 1 page.	
		C. Perkins, "IP Mobility Support for IPv4," January 2002, IETF Network Working Group Request for Comments 3220 (RFC 322), from <a href="http://www.ietf.org">www.ietf.org</a> , pp. 1-98.	
		S. Deering, et al., "Internet Protocol, Version 6 (IPv6), Specification," December 1998, IETF Network Working Group Request for Comments 2460, from <a href="http://www.ietf.org">www.ietf.org</a> , pp. 1-39.	
		University of Southern California, Information Sciences Institute, "INTERNET PROTOCOL, DARPA INTERNET PROGRAM, PROTOCOL SPECIFICATION," September 1981 (IETF RFC 791), 48 pages.	
		D. Johnson, et al., "Mobility Support in Ipv6, draft-ietf-mobileip-ipv6-21.txt," February 26, 2003, <a href="http://www.ietf.org/html.charters/mobileip-charter.html">http://www.ietf.org/html.charters/mobileip-charter.html</a> , pp. 1-169.	
		Ryuji Wakikawa, et al., "Mobility Related Research at the InternetCAR Project," <a href="http://www.connectathon.org/talks03/cthon-keio.pdf">http://www.connectathon.org/talks03/cthon-keio.pdf</a> , March 5, 2003, 12 pages.	
		William Stallings, "Mobile IP," <a href="http://www.cisco.com/warp/public/ipi_4-2_ip.html">http://www.cisco.com/warp/public/ipi_4-2_ip.html</a> , 11 pages.	
		Cisco Systems, Inc., "White Paper, <i>Cisco Mobile IP</i> , Executive Summary," 2002, <a href="http://www.cisco.com/warp/public/cc/pd/10sw/prodlit/mbxul_wp.htm">http://www.cisco.com/warp/public/cc/pd/10sw/prodlit/mbxul_wp.htm</a> , 8 pages.	
		Cisco Systems, Inc., "Configuring Mobile IP," <a href="http://www.cisco.com/warp/public/732/Tech/mobile/IP/techdocument">http://www.cisco.com/warp/public/732/Tech/mobile/IP/techdocument</a> , 2003, 38 pages.	
		Mikkel Thorup, "Fortifying OSPF/IS-IS against link-failure," September 7, 2001, pp. 1-10.	
		Fei Dai et al., "On Independently Finding Converging Paths in Internet," 2001, pp. 1-13.	

Examiner Signature		Date Considered	
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Substitute for Form 1449A/PTO (Modified) (use as many sheets as necessary)	Attorney Docket No.:50325-0843	Application Number:10/719,003
	First Named Inventor: Jean Philippe Vasseur	
	Filing Date: November 21, 2003	

**OTHER ART – NO PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	Translation <sup>2</sup>
		Paolo Narváez et al., "Local Restoration Algorithm for Link-State Routing Protocols," 1998, 6 pages.	
		Jie Wu et al., "An Extended Fault-Tolerant Link-State Routing Protocol in the Internet," 2001, 7 pages.	
		Paolo Narváez et al., "Fault-Tolerant Routing in the Internet without Flooding," 1998, pp. 1-13.	
		Takuya Yoshihiro, "Design and Analysis of Routing Algorithms toward the Next Generation Internet," December 2002, 98 pages.	
		Fortz, Bernard, et al., "Optimizing OSPF/IS-IS Weights in a Changing World," IEEE JSAC Special Issue on Advances in Fundamentals of Network Management, Spring 2002, pp. 1-31.	
		Thorup, Mikkell, et al., "Avoiding Ties in Shortest Path First Routing," AT&T Labs-Research, Shannon Laboratory, Florham Park, NJ, pp. 1-13.	
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		M. Leelanivas, et al., "Graceful Restart Mechanism for Label Distribution Protocol," February 2003, Network Working Group, Request for Comments: 3478, <a href="http://rfc3478.x42.com">http://rfc3478.x42.com</a> , data retrieved 4/28/04, pp. 1-11.	
		R. Balay, et al., "IS-IS Mesh Groups," October 2000, Network Working Group, Request for Comments: 2973, pp. 1-8.	
		M. Shand, et al., "Restart signaling for IS-IS, draft-ietf-isis-restart-05.txt, January 2004, Network Working Group, Internet Draft, <a href="http://www.ietf.org/internet-drafts/draft-ietf-isis-restart-05.txt">http://www.ietf.org/internet-drafts/draft-ietf-isis-restart-05.txt</a> , data retrieved 4/28/04, pp. 1-20.	

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<b>Substitute for Form 1449A/PTO (Modified)</b> (use as many sheets as necessary)	Attorney Docket No.:50325-0843	Application Number:10/719,003
	First Named Inventor: Jean Philippe Vasseur	
Filing Date: November 21, 2003		

**OTHER ART – NO PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	Translation <sup>2</sup>
		Amir Hermelin, et al., "Extending the Number of IS-IS LSP Fragments Beyond the 256 Limit, draft-ietf-isis-lsp-frags-02.txt," Network Working Group, Internet Draft, <a href="http://www.ietf.org/internet-drafts/draft-ietf-isis-ext-lsp-frags-02.txt">http://www.ietf.org/internet-drafts/draft-ietf-isis-ext-lsp-frags-02.txt</a> , data retrieved 4/28/04, pp. 1-12.	
		M. Shand, et al., "Restart signaling for IS-IS, draft-ietf-isis-restart-04.txt," July 2003, Network Working Group, Internet Draft, <a href="http://vesuvio.ipv6.tilab.com/internet-drafts/draft-ietf-isis-restart-04.txt">http://vesuvio.ipv6.tilab.com/internet-drafts/draft-ietf-isis-restart-04.txt</a> , data retrieved 4/28/04, pp. 1-18.	
		Application Serial Number 10/442,589, filed 5/20/2003, Stewart Frederick Bryant, et al., entitled "A Method and Apparatus for Constructing a Transition Route in a Data Communication Network," 45 pages.	
		Application Serial Number 10/340,371, filed 1/9/2003, Kevin George Miles, et al., entitled "Method and Apparatus for Constructing a Backup Route in a Data Communications Network, 33 pages.	
		Cisco Systems, Inc., "Tunnel ToS," Cisco IOS Release 12.0(17)S, 12.0(17)ST, 12.2(8)T, and 12.2(14)S, January 28, 2003, pp. 1-15.	
		Cisco Systems, Inc., "AppleTalk, IP, and Novell IPX Overview," September 9, 2002, pp. IV-1 – IV-6.	
		Cisco Systems, Inc., "Why Are OSPF Neighbors Stuck in Exstart/Exchange State?," 1992-2003, 8 pages.	
		Cisco Systems, Inc., "Trace," Chapter 32, September 13, 2002, pp. 32-1 – 32-12.	
		Application Serial Number 10/323,358, filed 12/17/2002, Ian Michael Charles Shand, entitled "Method and Apparatus for Advertising a Link Cost in a Data Communications Network," 29 pages.	

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## Papers

### English

- Ryuji Wakikawa, Masafumi Watari, Hiroki Matsutani, Koshiro Mitsuya, Thierry Ernst, Keisuke Uehara, Jun Murai, "Demonstration System supporting Host and Network Mobility", DICO MO 2003, June 2003

### Japanese

- Masafumi Watari, Ryuji Wakikawa, Jun Murai, "Route Optimization in Networks with Mobile IPv6", DICO MO 2003, June 2003
- Masafumi Watari, "Route Optimization Between Mobile IPv6 Capable Node and Mobile IPv6 Non-Capable Node", Bachelor Thesis of Keio University, January 2003
- Masafumi Watari, Ryuji Wakikawa, Jun Murai, "BPA: Operation of Mobile IPv6 with Binding Proxy Agent", Internet Conference 2002, Work in Progress, November 2002
- Masafumi Watari, Keisuke Uehara, Jun Murai, "The Evaluation and Proposition for the Effective Cache Mechanism on P2P Architecture", 63rd National Convention of Information Processing Society of Japan, September 2001

